ABSTRACT OF THE DISCLOSURE

The present invention provides for processing methods that preserve pharmaceutical proteins expressed in plants. Herein raw plant tissue is reduced to a stable homogenate without significant loss of protein or pharmaceutical potency. The homogenate can be used directly for pharmaceutical purposes without the need to further extract, purify, or precipitate the pharmaceutical protein. The present invention further provides a method of effective immunocontraception for animal and human application. Methods are disclosed for producing transgenic plants or plant cells which express contraceptive proteins, and which can be delivered whole, in part, or after processing, to an animal to cause a contraceptive effect in the target species.